Products
Motherboard Series
»K10N78M
»Overview & Specifications
»Download
»Manual
»FAQ
»CPU Support List
»Memory QVL
»Hybrid SLI Support List

K10N78M

- Support for Socket AM2+ / AM2 processors: AMD Phenom™ FX / Phenom / Athlon 64 FX / Athlon 64 X2 Dual-Core / Athlon X2 Dual-Core / Athlon 64 / Sempron processor
- Support for AM3 processors: AMD Phenom™ II X4 / X3 and Athlon II X4 / X3 / X2 processors
- NVIDIA® GeForce 8100 Chipset
  - Supports Hyper-Transport 3.0 (HT 3.0) Technology
  - FSB 2600 MHz (5.2 GT/s)
  - Supports Dual Channel DDR2 1066 with AM2+ CPU, and DDR2 800/667/533 with AM2 CPU, with 2 DIMM slots, maximum capacity up to 8GB
  - Integrated NVIDIA® GeForce 8100 graphics, DX10 VGA, Pixel Shader 4.0, Max. shared memory 512MB
  - Supports NVIDIA® Hybrid SLI™
  - 1 x PCI Express 2.0 x16 slot (green @ x16 mode)
  - Gigabit LAN 10/100/1000 Mb/s
  - 4 x SATAII 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 0+1, RAID 5 and JBOD), NCQ, AHCI and Hot Plug functions
  - Dual VGA Output: Support DVI-D and D-Sub ports by independent display controllers
  - Supports HDCP function with DVI-D port
  - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with DVI-D port
  - NVIDIA® PureVideo™ Ready
  - 5.1 CH Windows® Vista™ Premium Level HD Audio (ALC662 Audio Codec)
  - Chipset embedded HDMI Audio
  - Supports ASRock Instant Boot
  - Supports Smart BIOS, ASRock OC Tuner, Intelligent Energy Saver
  - Windows® Vista™ Premium 2008 Logo Ready
  - I/O Panel: 1 x VGA/D-Sub Port, 1 x VGA/DVI-D Port, 6 x Ready-to-Use USB 2.0 Ports, 1 x RJ-45 LAN Port with LED

This model may not be sold worldwide. Please contact your local dealer for the availability of this model in your region.

Product Specifications

General	
CPU	- Support for Socket AM2+ / AM2 processors: AMD Phenom™ FX / Phenom / Athlon 64 FX / Athlon 64 X2 Dual-Core / Athlon X2 Dual-Core / Athlon 64 / Sempron processor - Support for AM3 processors: AMD Phenom™ II X4 / X3 and Athlon II X4 / X3 / X2 processors - AMD LIVE!™ Ready - Supports AMD's Cool 'n' Quiet Technology - FSB 2600 MHz (5.2 GT/s) - Supports Untied Overclocking Technology - Supports Hyper-Transport 3.0 (HT 3.0) Technology
Chipset	- NVIDIA® GeForce 8100
Memory	- Dual Channel DDR2 memory technology - 2 x DDR2 DIMM slots - Supports DDR2 1066*/800/667/533 non-ECC, un-buffered memory - Max. capacity of system memory: 8GB** *Support with AM3 / AM2+ CPU. **Due to the operating system limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® XP and Windows® Vista™. For Windows® XP 64-bit and Windows® Vista™ 64-bit with 64-bit CPU, there is no such limitation.
BIOS	- 8Mb AMI BIOS - AMI Legal BIOS - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support - Supports Smart BIOS
Audio, Video and Networking	
Graphics	- Integrated NVIDIA® GeForce 8100 graphics - DX10 VGA, Pixel Shader 4.0 - Max. shared memory 512MB - Dual VGA Output: support DVI-D and D-Sub ports by independent display controllers - Supports HDCP function with DVI-D port - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with DVI-D port - NVIDIA® PureVideo™ Ready
Audio	- 5.1 CH Windows® Vista™ Premium Level HD Audio (ALC662 Audio Codec) - Chipset embedded HDMI Audio
LAN	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY Realtek RTL8211CL - Supports Wake-On-LAN
Expansion / Connectivity	
Slots	- 1 x PCI Express 2.0 x16 slot (green @ x16 mode) - 1 x PCI Express x1 slot - 2 x PCI slots - Supports NVIDIA® Hybrid SLI™
Connector	- 4 x SATAII 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 0+1, RAID 5 and JBOD), NCQ, AHCI and Hot Plug functions - 1 x ATA133 IDE connector (supports 2 x IDE devices) - 1 x Floppy connector - 1 x IR header - 1 x Print port header

	- 1 x COM port header - CPU/Chassis FAN connector - 24 pin ATX power connector - 4 pin 12V power connector - CD in header - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports)
Rear Panel I/O	I/O Panel - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x VGA/D-Sub Port - 1 x VGA/DVI-D Port - 6 x Ready-to-Use USB 2.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Line in / Front Speaker / Microphone
Other Features / Miscellaneous	
Unique Feature	- ASRock OC Tuner - Intelligent Energy Saver (Support with Phenom CPU) - Instant Boot - Hybrid Booster: - CPU Frequency Stepless Control - ASRock U-COP - Boot Failure Guard (B.F.G.) - ASRock AM2 Boost: ASRock Patented Technology to boost memory performance up to 12.5%
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version)
Accessories	- Quick Installation Guide, Support CD, I/O Shield - ATA 133 Cable - 1 x SATA Data Cable (optional) - 1 x SATA 1 to 1 Power Cable (optional)
Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU Fan Tachometer - Chassis Fan Tachometer - CPU Quiet Fan - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
Form Factor	- Micro ATX Form Factor: 9.6-in x 7.5-in, 24.4 cm x 19.1 cm
OS	- Microsoft® Windows® XP / XP Media Center / XP 64-bit / Vista™ / Vista™ 64-bit compliant
Certifications	- FCC, CE, WHQL

Caution:
Please realize that there is a certain risk involved with overclocking, including adjusting the setting in the BIOS or using the third-party overclocking tools. Overclocking may affect your system stability, or even cause damage to the components and devices of your system. It should be done at your own risk and expense. We are not responsible for possible damage caused by overclocking.

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